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ABSTRACT

This pretest report on the National Head Start Evaluation Project gives data on ethnicity and ages of children enrolled in four Head Start centers in Oklahoma, New Mexico, and Arizona, and describes the present status of evaluation at these centers. Completed pretests, proposed evaluation instruments, and available pretest data are presented. Appendices, which make up two-thirds of the report, give pretest distributions of scores on the Stanford Binet and distributions of chronological ages by location, ethnicity, and sex. (GO)

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PRE-TEST REPORT

ON

NATIONAL HEAD START EVALUATION

(CONTRACT OEO-4115)

TO

THE OFFICE OF ECONOMIC OPPORTUNITY

BY

CHILD DEVELOPMENT EVALUATION AND RESEARCH CENTER

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The University of Texas at Austin

November 30, 1967

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NATIONAL EVALUATION OF HEAD START (SOUTHWEST)

SAMPLE CENTERS

The Child Development Evaluation and Research Center (Southwest) of The University of Texas at Austin was assigned the following four states in the national evaluation of Head Start: Texas, New Mexico, Oklahoma, and Arizona. From these states, four Head Start Centers were chosen to participate as the evaluation sample from the Southwest.

Anadarko, Oklahoma was selected to participate in the common evaluation and also as a research sample. Twenty-seven children from two classes are included in the common evaluation sample and twenty-five children from two classes are participating as the research and evaluation sample.

Anadarko is a small community with a population of 6,300. The grant number of the Head Start Center is 5020, and the grantee is the Cado County Community Action Program.

The center has four classes which are located in the Lincoln Elementary School building and serves 88 children. Twenty-five of the children are Negro, 24 are Indian and 27 are Anglo. Only one child at the center is Latin, and one is of mixed ethnicity. The age range is three years and nine months through five years and nine months.

Teachers of the Anadarko center are certified and have participated in an 8-week Head Start training program. Aides are from the lower socioeconomic level. The Head Start program is academically oriented, and school readiness is the main area of emphasis.

The Ada, Oklahoma Head Start Center, grant number 5010, is sponsored by the Pontotoc County Community Action Foundation, Inc. This program serves several rural communities, and two of these community classes (Roff and Allen) were selected for the national evaluation of Head Start. The entire program has seven classes composed of Negro, Indian and Anglo children. The programs are non-academic and are oriented toward cultural advancement. Teachers are certified and have participated in an 8-week Head Start training program. Aides must have a high school education and be from the lower socioeconomic level. Twenty-four children from Roff and Allen are being evaluated.

The Roff community, population 600, has one Head Start class located in the Fitzhugh School building. This class serves 16 Anglo children and was chosen to participate in the national common evaluation of Head Start. The children's age range is four years and three months through five years and nine months.

The Allen community, population 1,100, has one class also. heir classroom is located in a building apart from the school. Eighteen children attend the Head Start class; 67 per cent are Anglo, and 33 per cent are Indian. This class is also participating in the common evaluation. The age range of children is five years through five years and nine months.

The Head Start Center of the Salt River Pima-Maricopa Indian Reservation, Arizona was selected as a sample center for both research and evaluation purposes. The program, grant number CC-8000-8C, is sponsored by the Salt River Pima-Maricopa Tribal Council. It has a total of five classes and serves approximately 60 children. All of the classes are located in the Salt River School building on the reservation, and all of the children are Indian. This rural community has a population of 1,500. The teachers employed in the program have college degrees and are certified. Aides are from the lower socioeconomic class.

Twenty-one children from two classes are participating as a part of the common national evaluation, and twenty-seven children from two classes are included in the research and evaluation sample. The age range is four years and six months through five years and nine months.

The Head Start Center of Isleta, New Mexico, Grant number C-INM-8006, is sponsored by the Pueblo of Isleta. The population of Isleta is 2,356 (rural). The Head Start program has four classes and serves 76 Indian children ranging from four years of age through five years and three months. The classes are located in a building on the Indian reservation and are separate from the school buildings.

All of the Isleta teachers are certified, and the aides are required to have a good knowledge of the Indian language spoken by the children. The program stresses school readiness. Twenty-two of the children from three classes are being evaluated in Isleta as a part of the common national evaluation of Head Start.

Center descriptions are presented in Table 1; the ethnic distributions by centers and for the complete sample are shown in Table 2; and age distributions are presented in Table 3.

TABLE 1

SOUTHWEST SAMPLE CENTERS

	Anadarko, Oklahoma	Ada, Oklahoma		Isleta, New Mexico	Salt River, Arizona
Grantee	Cado County Community Action Program	Pontotoc County Community Action Foundation, Inc.		Pueblo of Isleta	Salt River Pima-Maricopa Tribal Council
Grant Number	5020	5010		C-INM-8006	GC-8000-BC
Qualifications of Teachers	Certification and 8-week Training Program	Certification and 8-week Training Program		Certification	College Degree and Certification
Qualification of Aides	From Lower Socio-economic Class	High School Education and From Lower Socioeconomic Class		Knowledge of Language Spoken by Children (Indian)	From Lower Socio-economic Class
Rural-Urban Classification	Population-6,300 Small Community	Roff Population 600 Rural	Allen Population 1100 Rural	Population-2,356 Rural	Population-1,500 Rural
Location of Classes	Lincoln Elementary School Building	Fitzhugh School Building	Building Apart From School	Non-school Building on Reservation	Salt River School Building on Reservation
Number of Classes	4	1	1	4	5
Total Number of Children	88	16	18	76	60

TABLE 1 (Continued)

	Anadarko, Oklahoma	Ada, Oklahoma		Isleta, New Mexico	Salt River, Arizona
		Roff	Allen		
Ethnic Distribution of Children	27% Negro, 27% Indian, 46% Anglo	100% Anglo	67% Anglo 33% Indian	100% Indian	100% Indian
Approximate Age Range	5 Yrs.	4-5 Yrs.	4-5 Yrs.	3-5 Years	5 Years
Type of Program	School Readiness Orientation	Cultural Advancement Orientation	Cultural Advancement Orientation	Experience and School Readiness Orientation	School Readiness Orientation

TABLE 2

ETHNIC DISTRIBUTION

ETHNICITY

CENTER	INDIAN	NEGRO	ANGLO	LATIN
Anadarko, Oklahoma	17	18	17	
Ada, Oklahoma	3		20	1
Salt River, Arizona	48			
Isleta, New Mexico	22			
TOTALS	90	18	37	1

ETHNIC PERCENTAGES OF TOTAL SAMPLE

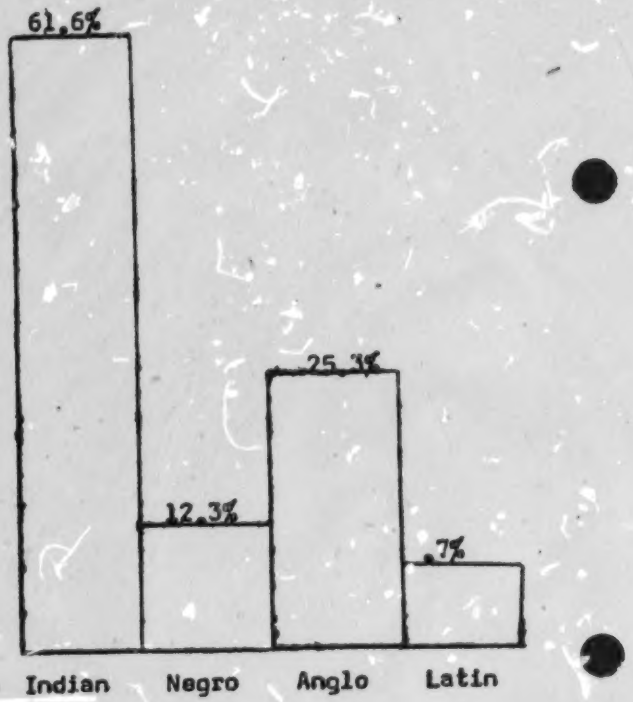
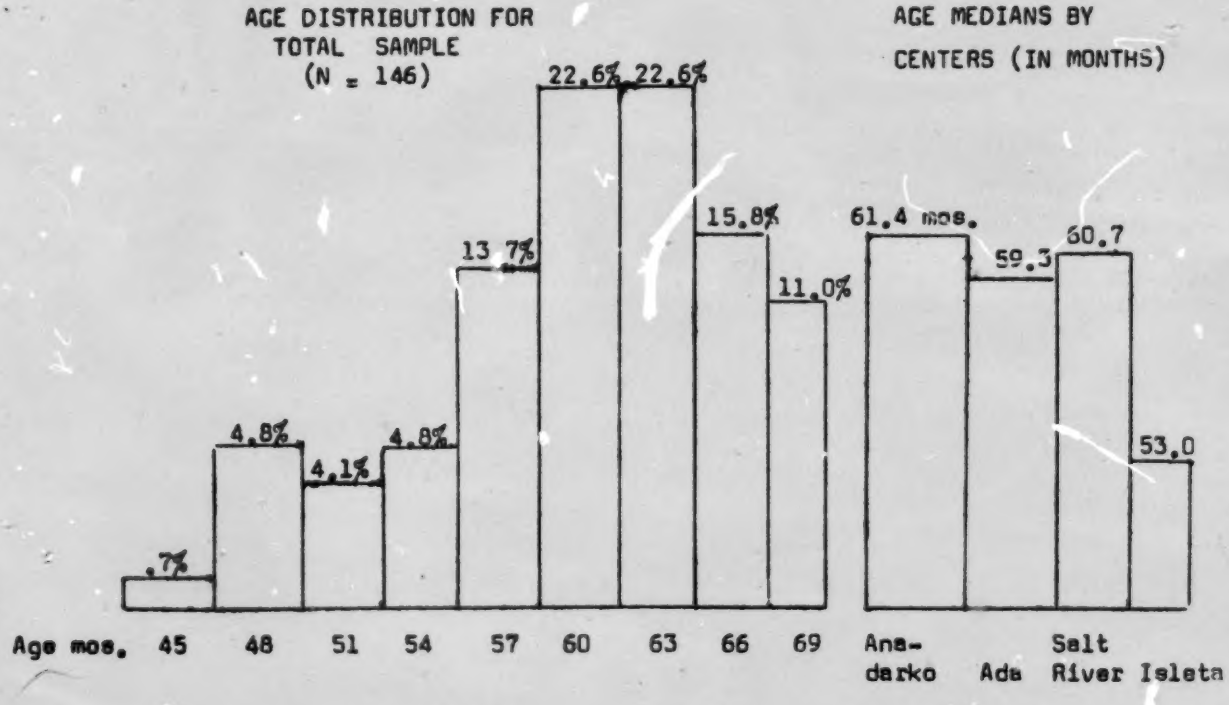


TABLE 3

DISTRIBUTION OF AGES BY CENTERS

CENTER	45 mos.	48	51	54	57	60	63	66	69
ANADARKO	1	1	1	1	7	6	19	10	6
ADA			2	2	1	9	4	0	6
SALT RIVER				1	6	15	9	13	4
ISLETA		6	3	3	6	3	1		
TOTALS	1	7	6	7	20	33	33	23	16



STATUS OF EVALUATION

A total of 146 children have been selected to participate in evaluation and research related to Project Head Start. Fifty-two of the selected children will participate as the research and evaluation sample, and the remaining 94 children will serve as the common evaluation sample. The common evaluation instruments will be administered to all 146 children.

The common core evaluation instruments include the Stanford-Binet (Full Scale), the Inventory of Factors Affecting Test Performance, the Observation of Substantive Curriculum Input, Classroom Composition, Physical Attributes of Classroom Environment, the Social Interaction Observation Procedure, and the Family Interview.

Research instruments for the Southwest Region will be the Observer's Rating Form and the Observation of Substantive Curriculum Input.

Pre-test administrations of the Stanford-Binet, Inventory of Factors Affecting Test Performance, and the Social Interaction Observation Procedure have been completed.

The Stanford-Binet pre-test results are presented for each center in Tables 4, 5, 6, and 7. Complete distributions for centers, ethnic groups, sexes, age groups and total sample are presented in Appendix A.

The Social Interaction Observation Procedure administrations are completed, but necessary scoring materials have delayed the scoring and coding procedures. These results should be available for the second Quarterly Report.

Administration of the Observation of Substantive Curriculum Input has began during November and the Observer's Rating Form will be administered beginning in December. The Classroom Composition Form and the Physical Attributes of Classroom Environment Form will be administered along with the Observation of Substantive Curriculum Input.

The Family Interview will be administered when necessary clearance from the Bureau of the Budget is obtained.

Tables 4-7 show pre-test results on the Stanford-Binet. The Ada, Oklahoma Head Start Center shows the highest IQ pre-test scores (Table 5) with a mean score of 103.6. It should be noted that the Ada sample was composed mainly of Anglo children, with only four being non-Anglo (Table 2). On the other hand, the Salt River Center had the lowest IQ mean score, 93.3, (Table 6). The Salt River Center was composed of all Indian children. The pre-test scores obtained in the pre-testing of the present study tend to be higher than those obtained in 1966. Complete data and distributions are presented in Appendix A. Complete age distributions are shown in Appendix B.

TABLE 4

ANADARKO, OKLAHOMA

SMALL COMMUNITY SAMPLE POPULATION 6,300

CLASS	NUMBER OF SUBJECTS	SEX DISTRIBUTION	AGE DISTRIBUTION 3 MONTH INTERVALS	ETHNIC DISTRIBUTION	STANFORD-BINET IQ'S	LANGUAGE USED IN TESTING
1 (E & R) AM	13	M 6 F 7	5-0 1 5-3 6 5-6 3 5-9 3	Indian 4 Negro 5 Anglo 4	High 117 Low 78 Mean 96.2	English 13
2 (E) AM	15	M 7 F 8	3-9 1 4-0 1 4-3 1 4-6 1 4-9 2 5-0 2 5-3 4 5-6 0 5-9 3	Indian 5 Negro 5 Anglo 5	High 114 Low 82 Mean 100.5	English 15
3 (E & R) AM	12	M 7 F 5	4-9 2 5-0 0 5-3 6 5-6 4	Indian 4 Negro 4 Anglo 4	High 107 Low 74 Mean 92.0	English 12
4 (E) AM	12	M 6 F 6	4-9 3 5-0 3 5-3 3 5-6 3	Indian 4 Negro 4 Anglo 4	High 114 Low 68 Mean 92.0	English 12
TOTALS	52	M 26 F 26	3-9 1 4-0 1 4-3 1 4-6 1 4-9 7 5-0 6 5-3 19 5-6 10 5-9 6	Indian 17 Negro 18 Anglo 17	High 117 Low 68 Mean 95.6	English 52

TABLE 5

ADA, OKLAHOMA

RURAL SAMPLE POPULATION ROFF: 600
ALLEN: 1,100

CLASS	NUMBER OF SUBJECTS	SEX DISTRIBUTION	AGE DISTRIBUTION 3 MONTH INTERVALS	ETHNIC DISTRIBUTION	STANFORD-BINET IQ'S	LANGUAGE USED IN TESTING
1 (E) AM	12	M 5 F 7	4-3 2 5-3 1 4-6 2 5-6 0 4-9 1 5-9 2 5-0 4	Indian 1 Anglo 11	High 129 Low 82 Mean 107.1	English 12
2 (E) AM	12	M 6 F 6	5-0 5 5-3 3 5-6 0 5-9 4	Indian 2 Anglo 9 Latin 1	High 125 Low 81 Mean 100.0	English 12
TOTALS	24	M 11 F 13	4-3 2 5-3 4 4-6 2 5-6 0 4-9 1 5-9 6 5-0 9	Indian 3 Anglo 20 Latin 1	High 129 Low 81 Mean 103.5	English 24

TABLE 6

SALT RIVER, ARIZONA

RURAL SAMPLE POPULATION 1,500

CLASS	NUMBER OF SUBJECTS	SEX DISTRIBUTION	AGE DISTRIBUTION 3 MONTH INTERVALS	ETHNIC DISTRIBUTION	STANFORD-BINET IQ'S	LANGUAGE USED IN TESTING
1 (E) AM	9	M 4 F 5	5-3 6 5-3 2 5-6 1	Indian 9	High 110 Low 87 Mean 95.0	English 9
2 (E & R) AM	13	M 4 F 9	4-6 1 5-3 3 4-9 1 5-6 3 5-0 3 5-9 2	Indian 13	High 100 Low 78 Mean 89.6	English 13
3 (E & R) PM	14	M 8 F 6	4-9 2 5-6 5 5-0 1 5-9 2 5-3 4	Indian 14	High 114 Low 79 Mean 92.8	English 14
4 (E) PM	12	M 7 F 5	4-9 3 5-3 0 5-0 5 5-6 4	Indian 12	High 114 Low 60 Mean 95.7	English 12
TOTALS	48	M 23 F 25	4-6 1 5-3 9 4-9 6 5-6 13 5-0 15 5-9 4	Indian 48	High 114 Low 60 Mean 93.04	English 48

TABLE 7

ISLETA, NEW MEXICO

RURAL SAMPLE POPULATION 2,356

CLASS	NUMBER OF SUBJECTS	SEX DISTRIBUTION	AGE DISTRIBUTION 3 MONTH INTERVALS	ETHNIC DISTRIBUTION	STANFORD-BINET IQ'S	LANGUAGE USED IN TESTING
1 (E) AM	8	M 4 F 4	4-9 4 5-0 3 5-3 1	Indian 8	High 129 Low 82 Mean 99.0	English 8
2 (E) AM	8	M 3 F 5	4-0 3 4-6 1 4-3 2 4-9 2	Indian 8	High 121 Low 77 Mean 95.1	English 8
3 (E) AM	6	M 3 F 3	4-0 3 4-3 1 4-6 2	Indian 8	High 109 Low 76 Mean 95.0	English 6
TOTALS	22	M 10 F 12	4-0 6 4-9 6 4-3 3 5-0 3 4-6 3 5-3 1	Indian 22	High 129 Low 76 Mean 96.5	English 22

APPENDIX A

PRE-TEST DISTRIBUTIONS OF SCORES ON THE STANFORD-BINET

TABLE A-1

PRE-TEST DISTRIBUTIONS OF SCORES ON THE STANFORD-BINET:

ANADARKO (N = 52)

Mental Age	Per Cent of Children Scoring Within and Below the Specified Score Interval	IQ	Per Cent of Children Scoring Within and Below the Specified Score Interval
96-98		155-159	
93-95		150-154	
90-92		145-149	
87-89		140-144	
84-86		135-139	
81-83	100.0	130-134	
78-80	99.0	125-129	100.0
75-77	96.0	120-124	99.0
72-74	96.0	115-119	97.0
69-71	92.0	110-114	94.0
66-68	80.0	105-109	84.0
63-65	71.0	100-104	69.0
60-62	62.0	95-99	57.0
57-59	48.0	90-94	45.0
54-56	25.0	85-89	31.0
51-53	14.0	80-84	18.0
48-50	11.0	75-79	12.0
45-47	3.0	70-74	5.0
42-44	1.0	65-69	1.0
39-41		60-64	
36-38		55-59	
33-35		50-54	
Mean 60.42		Mean 95.56	
Standard Deviation 7.44		Standard Deviation 12.57	

TABLE A-2

PRE-TEST DISTRIBUTIONS OF SCORES ON THE STANFORD-BINET:

ADA (N = 24)

Mental Age	Per Cent of Children Scoring Within and Below the Specified Score Interval	IQ	Per Cent of Children Scoring Within and Below the Specified Score Interval
96-98		155-159	
93-95		150-154	
90-92		145-149	
87-89		140-144	
84-86	100.0	135-139	
81-83	98.0	130-134	
78-80	94.0	125-129	98.0
75-77	94.0	120-124	90.0
72-74	85.0	115-119	81.0
69-71	73.0	110-114	69.0
66-68	56.0	105-109	65.0
63-65	52.0	100-104	52.0
60-62	52.0	95-99	40.0
57-59	35.0	90-94	31.0
54-56	15.0	85-89	15.0
51-53	2.0	80-84	10.0
48-50	2.0	75-79	
45-47		70-74	
42-44		65-69	
39-41		60-64	
36-38		55-59	
33-35		50-54	
Mean 64.54		Mean 103.54	
Standard Deviation 8.65		Standard Deviation 14.60	

TABLE A-3

PRE-TEST DISTRIBUTIONS OF SCORES ON THE STANFORD-BINET:

SALT RIVER (N = 48)

Mental Age	Per Cent of Children Scoring Within and Below the Specified Score Interval	IQ	Per Cent of Children Scoring Within and Below the Specified Score Interval
96-98		155-159	
93-95		150-154	
90-92		145-149	
87-89		140-144	
84-86		135-139	
81-83		130-134	
78-80		125-129	
75-77	100.0	120-124	
72-74	99.0	115-119	100.0
69-71	97.0	110-114	98.0
66-68	91.0	105-109	89.0
63-65	78.0	100-104	80.0
60-62	67.0	95-99	72.0
57-59	51.0	90-94	57.0
54-56	29.0	85-89	33.0
51-53	8.0	80-84	16.0
48-50	5.0	75-79	9.0
45-47	1.0	70-74	3.0
42-44	1.0	65-69	1.0
39-41	1.0	60-64	1.0
36-38		55-59	1.0
33-35		50-54	
Mean 59.56		Mean 93.04	
Standard Deviation 6.41		Standard Deviation 10.94	

TABLE A-4

PRE-TEST DISTRIBUTIONS OF SCORES ON THE STANFORD-BINET:

ISLETA (N = 22)

Mental Age	Per Cent of Children Scoring Within and Below the Specified Score Interval	IQ	Per Cent of Children Scoring Within and Below the Specified Score Interval
96-98		155-159	
93-95		150-154	
90-92		145-149	
87-89		140-144	
84-86		135-139	100.0
81-83		130-134	98.0
78-80	100.0	125-129	91.0
75-77	98.0	120-124	91.0
72-74	93.0	115-119	84.0
69-71	93.0	110-114	84.0
66-68	89.0	105-109	84.0
63-65	89.0	100-104	77.0
60-62	89.0	95-99	64.0
57-59	84.0	90-94	45.0
54-56	73.0	85-89	30.0
51-53	61.0	80-84	20.0
48-50	18.0	75-79	7.0
45-47	11.0	70-74	
42-44	7.0	65-69	
39-41	7.0	60-64	
36-68	2.0	55-59	
33-35		50-54	
Mean 53.45		Mean 96.50	
Standard Deviation 8.47		Standard Deviation 14.11	

TABLE A-5

PRE-TEST DISTRIBUTIONS OF SCORES ON THE STANFORD-BINET:

NEGROES (N = 18)

Mental Age	Per Cent of Children Scoring Within and Below the Specified Score Interval	IQ	Per Cent of Children Scoring Within and Below the Specified Score Interval
96-98		155-159	
93-95		150-154	
90-92		145-149	
87-89		140-144	
84-86		135-139	
81-83		130-134	
78-80		125-129	
75-77	100.0	120-124	
72-74	97.0	115-119	100.0
69-71	92.0	110-114	94.0
66-68	78.0	105-109	75.0
63-65	69.0	100-104	64.0
60-62	58.0	95-99	53.0
57-59	53.0	90-94	47.0
54-56	25.0	85-89	42.0
51-53	14.0	80-84	14.0
48-50	8.0	75-79	3.0
45-47	3.0	70-74	
42-44		65-69	
39-41		60-64	
36-38		55-59	
33-35		50-54	
Mean 59.94		Mean 96.11	
Standard Deviation 7.34		Standard Deviation 12.09	

TABLE A-6

PRE-TEST DISTRIBUTIONS OF SCORES ON THE STANFORD-BINET:

INDIANS (N = 90)

Mental Age	Per Cent of Children Scoring Within and Below the Specified Score Interval	IQ	Per Cent of Children Scoring Within and Below the Specified Score Interval
96-98		155-159	
93-95		150-154	
90-92		145-149	
87-89		140-144	
84-86		135-139	
81-83		130-134	100.0
78-80	100.0	125-129	99.0
75-77	99.0	120-124	97.0
72-74	98.0	115-119	94.0
69-71	97.0	110-114	94.0
66-68	92.0	105-109	88.0
63-65	83.0	100-104	81.0
60-62	75.0	95-99	73.0
57-59	62.0	90-94	52.0
54-56	40.0	85-89	34.0
51-53	24.0	80-84	22.0
48-50	11.0	75-79	12.0
45-47	4.0	70-74	3.0
42-44	3.0	65-69	1.0
39-41	3.0	60-64	1.0
36-38	1.0	55-59	
33-35		50-54	
Mean 57.73		Mean 93.36	
Standard Deviation 7.17		Standard Deviation 12.27	

TABLE A-7

PRE-TEST DISTRIBUTIONS OF SCORES ON THE STANFORD-BINET:

ANGLOS (N = 37)

Mental Age	Per Cent of Children Scoring Within and Below the Specified Score Interval	IQ	Per Cent of Children Scoring Within and Below the Specified Score Interval
96-98		155-159	
93-95		150-154	
90-92		145-149	
87-89		140-144	
84-86	100.0	135-139	
81-83	99.0	130-134	100.0
78-80	96.0	125-129	99.0
75-77	93.0	120-124	93.0
72-74	88.0	115-119	88.0
69-71	77.0	110-114	80.0
66-68	57.0	105-109	74.0
63-65	49.0	100-104	51.0
60-62	49.0	95-99	36.0
57-59	30.0	90-94	26.0
54-56	16.0	85-89	8.0
51-53	4.0	80-84	4.0
48-50	4.0	75-79	1.0
45-47	1.0	70-74	1.0
42-44	1.0	65-69	1.0
39-41		60-64	
36-38		55-59	
33-35		50-54	
Mean 64.32		Mean 102.57	
Standard Deviation 8.61		Standard Deviation 12.98	

TABLE A-8

PRE-TEST DISTRIBUTIONS OF SCORES ON THE STANFORD-BINET:

MALES (N = 70)

Mental Age	Per Cent of Children Scoring Within and Below the Specified Score Interval	IQ	Per Cent of Children Scoring Within and Below the Specified Score Interval
96-98		155-159	
93-95		150-154	
90-92		145-149	
87-89		140-144	
84-86	100.0	135-139	100.0
81-83	99.0	130-134	99.0
78-80	98.0	125-129	96.0
75-77	96.0	120-124	96.0
72-74	92.0	115-119	92.0
69-71	92.0	110-114	86.0
66-68	81.0	105-109	81.0
63-65	73.0	100-104	73.0
60-62	67.0	95-99	64.0
57-59	55.0	90-94	51.0
54-56	36.0	85-89	32.0
51-53	19.0	80-84	19.0
48-50	9.0	75-79	10.0
45-47	2.0	70-74	4.0
42-44	2.0	65-69	1.0
39-41	1.0	60-64	
36-38		55-59	
33-35		50-54	
Mean 59.76		Mean 95.61	
Standard Deviation 8.16		Standard Deviation 13.68	

TABLE A-9

PRE-TEST DISTRIBUTIONS OF SCORES ON THE STANFORD-BINET:

FEMALES (N = 76)

Mental Age	Per Cent of Children Scoring Within and Below the Specified Score Interval	IQ	Per Cent of Children Scoring Within and Below the Specified Score Interval
96-98		155-159	
93-95		150-154	
90-92		145-149	
87-89		140-144	
84-86		135-139	
81-83		130-134	100.0
78-80	100.0	125-129	99.0
75-77	99.0	120-124	97.0
72-74	98.0	115-119	95.0
69-71	89.0	110-114	91.0
66-68	82.0	105-109	84.0
63-65	73.0	100-104	69.0
60-62	65.0	95-99	58.0
57-59	50.0	90-94	45.0
54-56	28.0	85-89	27.0
51-53	18.0	80-84	14.0
48-50	9.0	75-79	7.0
45-47	5.0	70-74	1.0
42-44	2.0	65-69	1.0
39-41	2.0	60-64	1.0
36-38	1.0	55-59	
33-35		50-54	
Mean 59.78		Mean 96.71	
Standard Deviation 8.04		Standard Deviation 12.43	

TABLE A-10

PRE-TEST DISTRIBUTIONS OF SCORES ON THE STANFORD-BINET:

AGE DISTRIBUTION - 62 MONTHS AND YOUNGER (N = 75)

Mental Age	Per Cent of Children Scoring Within and Below the Specified Score Interval	IQ	Per Cent of Children Scoring Within and Below the Specified Score Interval
96-98		155-159	
93-95		150-154	
90-92		145-149	
87-89		140-144	
84-86		135-139	
81-83		130-134	100.0
78-80	100.0	125-129	99.0
75-77	99.0	120-124	97.0
72-74	97.0	115-119	91.0
69-71	95.0	110-114	82.0
66-68	87.0	105-109	75.0
63-65	81.0	100-104	66.0
60-62	78.0	95-99	53.0
57-59	68.0	90-94	42.0
54-56	49.0	85-89	22.0
51-53	26.0	80-84	11.0
48-50	13.0	75-79	9.0
45-47	7.0	70-74	2.0
42-44	5.0	65-69	2.0
39-41	3.0	60-64	1.0
36-38	1.0	55-59	
33-35		50-54	
Mean 56.99		Mean 98.21	
Standard Deviation 8.08		Standard Deviation 13.78	

TABLE A-11

PRE-TEST DISTRIBUTIONS OF SCORES ON THE STANFORD-BINET:

AGE DISTRIBUTION - OVER 62 MONTHS (N = 71)

Mental Age	Per Cent of Children Scoring Within and Below the Specified Score Interval	IQ	Per Cent of Children Scoring Within and Below the Specified Score Interval
96-98		155-159	
93-95		150-154	
90-92		145-149	
87-89		140-144	
84-86	100.0	135-139	
81-83	99.0	130-134	100.0
78-80	98.0	125-129	99.0
75-77	96.0	120-124	98.0
72-74	95.0	115-119	96.0
69-71	89.0	110-114	95.0
66-68	75.0	105-109	89.0
63-65	64.0	100-104	77.0
60-62	54.0	95-99	67.0
57-59	36.0	90-94	51.0
54-56	14.0	85-89	37.0
51-53	7.0	80-84	21.0
48-50	3.0	75-79	8.0
45-47		70-74	3.0
42-44		65-69	
39-41		60-64	
36-38		55-59	
33-35		50-54	
Mean 62.70		Mean 94.04	
Standard Deviation 6.97		Standard Deviation 11.87	

TABLE A-12

PRE-TEST DISTRIBUTIONS OF SCORES ON THE STANFORD-BINET:

TOTAL SAMPLE (N = 146)

Mental Age	Per Cent of Children Scoring Within and Below the Specified Score Interval	IQ	Per Cent of Children Scoring Within and Below the Specified Score Interval
96-98		155-159	
93-95		150-154	
90-92		145-149	
87-89		140-144	
84-86	100.0	135-139	
81-83	99.0	130-134	100.0
78-80	99.0	125-129	99.0
75-77	98.0	120-124	98.0
72-74	96.0	115-119	93.0
69-71	91.0	110-114	90.0
66-68	81.0	105-109	83.0
63-65	74.0	100-104	72.0
60-62	66.0	95-99	61.0
57-59	52.0	90-94	46.0
54-56	32.0	85-89	29.0
51-53	18.0	80-84	15.0
48-50	10.0	75-79	9.0
45-47	4.0	70-74	3.0
42-44	2.0	65-69	1.0
39-41	2.0	60-64	1.0
36-38	1.0	55-59	
33-35		50-54	
Mean 59.77		Mean 96.18	
Standard Deviation 8.07		Standard Deviation 13.01	

APPENDIX B

DISTRIBUTIONS OF CHRONOLOGICAL AGES

TABLE B-1

DISTRIBUTION OF CHRONOLOGICAL AGES:

ANADARKO (N = 52)

Age in Months	Frequency	Per Cent of Children Within and Below the Specified Interval
69-71	5	99.0
66-68	10	87.0
63-65	19	63.0
60-62	6	33.0
57-59	8	19.0
54-56	1	7.0
51-53	1	5.0
48-50	1	3.0
45-47	1	1.0

Mean 62.94

Standard Deviation 4.99

TABLE ~~B-2~~

DISTRIBUTION OF CHRONOLOGICAL AGES:

ADA (N = 24)

Age in Months	Frequency	Per Cent of Children Within and Below the Specified Interval
69-71	6	98.0
66-68	0	69.0
63-65	4	69.0
60-62	9	50.0
57-59	1	19.0
54-56	2	15.0
51-53	2	6.0
48-50		
45-47		

Mean 62.58

Standard Deviation 5.44

TABLE B-3

DISTRIBUTION OF CHRONOLOGICAL AGES:

SALT RIVER (N = 48)

Age in Months	Frequency	Per Cent of Children Within and Below the Specified Interval
69-71	4	96.0
66-68	12	85.0
63-65	10	60.0
60-62	15	40.0
57-59	6	10.0
54-56	1	1.0
51-53		
48-50		
45-47		

Mean 63.54

Standard Deviation 3.74

TABLE B-4

DISTRIBUTION OF CHRONOLOGICAL AGES:

ISLETA (N = 22)

Age in Months	Frequency	Per Cent of Children Within and Below the Specified Interval
69-71		
66-68		
63-65		
60-62	3	93.0
57-59	6	75.0
54-56	3	52.0
51-53	3	36.0
48-50	6	20.0
45-47		

Mean 54.91

Standard Deviation 4.68

TABLE B-5

DISTRIBUTION OF CHRONOLOGICAL AGES:

NEGROES (N = 18)

Age in Months	Frequency	Per Cent of Children Within and Below the Specified Interval
69-71	1	97.0
66-68	3	92.0
63-65	7	67.0
60-62	0	36.0
57-59	5	36.0
54-56	1	8.0
51-53	1	3.0
48-50		
45-47		

Mean 62.00

Standard Deviation 4.72

TABLE B-6

DISTRIBUTION OF CHRONOLOGICAL AGES:

INDIANS (N = 90)

Age in Months	Frequency	Per Cent of Children Within and Below the Specified Interval
69-71	10	99.0
66-68	14	86.0
63-65	13	68.0
60-62	20	49.0
57-59	13	27.0
54-56	4	16.0
51-53	3	11.0
48-50	7	7.0
45-47	1	1.0

Mean 61.47

Standard Deviation 5.95

TABLE 8-7

DISTRIBUTION OF CHRONOLOGICAL AGES:

ANGLOS (N = 37)

Age in Months	Frequency	Per Cent of Children Within and Below the Specified Interval
69-71	4	99.0
66-68	5	84.0
63-65	9	70.0
60-62	12	45.0
57-59	3	15.0
54-56	2	9.0
51-53	2	4.0
48-50		
45-47		

Mean 62.78

Standard Deviation 4.61

TABLE B-8

DISTRIBUTION OF CHRONOLOGICAL AGES:

MALES (N = 70)

Age in Months	Frequency	Per Cent of Children Within and Below the Specified Interval
69-71	7	99.0
66-68	9	87.0
63-65	20	68.0
60-62	18	44.0
57-59	8	19.0
54-56	3	10.0
51-53	1	6.0
48-50	3	5.0
45-47	1	1.0

Mean 62.23

Standard Deviation 5.19

TABLE B-9

DISTRIBUTION OF CHRONOLOGICAL AGES:

FEMALES (N = 76)

Age in Months	Frequency	Per Cent of Children Within and Below the Specified Interval
69-71	8	99.0
66-68	13	86.0
63-65	14	70.0
60-62	15	50.0
57-59	13	30.0
54-56	4	16.0
51-53	5	11.0
48-50	4	4.0
45-47		

Mean 61.54

Standard Deviation 5.73

TABLE B-10

DISTRIBUTION OF CHRONOLOGICAL AGES:

AGE DISTRIBUTION - 62 MONTHS AND YOUNGER (N = 75)

Age in Months	Frequency	Per Cent of Children Within and Below the Specified Interval
69-71		
66-68		
63-65		
60-62	33	99.0
57-59	21	56.0
54-56	7	27.0
51-53	6	18.0
48-50	7	9.0
45-47	1	1.0

Mean 57.69

Standard Deviation 4.17

TABLE B-11

DISTRIBUTION OF CHRONOLOGICAL AGES:

AGE DISTRIBUTION - OVER 62 MONTHS (N = 71)

Age in Months	Frequency	Per Cent of Children Within and Below the Specified Interval
69-71	15	99.0
66-68	22	72.0
63-65	34	36.0
60-62		
57-59		
54-56		
51-53		
48-50		
45-47		

Mean 66.28

Standard Deviation 2.27

TABLE B-12

DISTRIBUTION OF CHRONOLOGICAL AGES:

TOTAL SAMPLE (N = 146)

Age in Months	Frequency	Per Cent of Children Within and Below the Specified Interval
69-71	15	99.0
66-68	22	86.0
63-65	34	69.0
60-62	33	47.0
57-59	21	25.0
54-56	7	14.0
51-53	6	9.0
48-50	7	4.0
45-47	1	1.0

Mean 61.87

Standard Deviation 5.47